

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	38	Robert WITH KORNELUK,	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/14 11:56
L2	889	BIR\$5 WITH domain	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/14 11:56
L3	114	(BIR\$5 WITH domain) and iap	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/14 11:56
L4	74	(XIAP M-XIAP HIAP\$3 M-HIAP\$3) SAME BIR\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/14 11:56
L5	24	(BIR-3 OR BIR3) SAME apoptosis	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/14 11:57
L6	23	peter liston	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2005/07/14 11:57
L7	38	Robert WITH KORNELUK,	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/07/14 11:58

> d his

(FILE 'MEDLINE, CANCERLIT, AGRICOLA, CAPLUS, SCISEARCH' ENTERED AT  
14:05:47 ON 14 JUL 2005)

DEL HIS

L1 192 S BIR3 OR BIR-3  
L2 125 S L1 AND (APOPTOSIS OR DEATH)  
L3 0 S L2 AND PY<=1995  
E KORNELUK ROBERT?/AU  
L4 7 S E1  
L5 102 S E2  
L6 109 S L4 OR L5  
L7 10 S L6 AND BIR?  
L8 44 S L6 AND XIAP  
L9 9 DUP REM L7 (1 DUPLICATE REMOVED)  
L10 39 DUP REM L8 (5 DUPLICATES REMOVED)  
L11 41 S L9 OR L10  
L12 41 DUP REM L11 (0 DUPLICATES REMOVED)  
L13 0 S L12 AND PY<=1995  
L14 40 S L12 AND APOPTOSIS  
L15 40 FOCUS L14 1-  
L16 8 S L14 AND DOMAIN  
L17 8 FOCUS L16 1-

=> d an ti so au ab pi 117 1-8

L17 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:265555 CAPLUS

DN 126:247565

TI Mammalian **apoptosis** inhibitor protein gene family, primers,  
probes and detection methods

SO PCT Int. Appl., 218 pp.

CODEN: PIXXD2

IN Korneluk, Robert G.; Mackenzie, Alexander E.; Baird, Stephen;  
Liston, Peter

AB Disclosed is substantially pure DNA encoding human and mouse IAP  
polypeptides; substantially pure polypeptides; and methods of using such  
DNA to express the IAP polypeptides in cells and animals to inhibit  
**apoptosis**. Also disclosed are conserved regions characteristic of  
the IAP family (i.e. **BIR**, baculovirus IAP repeat, and RZF, ring  
zinc finger) and primers and probes for the identification and isolation  
of addnl. IAP genes. In addition, methods for treating diseases and  
disorders involving **apoptosis** are provided. CDNAs for human and  
mouse **xiap** genes and **hiap-1** and **hiap-2** genes were cloned and  
sequenced. The human **xiap** gene was mapped to the X chromosome  
at Xq25 and the **hiap** genes to chromosome 11 at 11q22-23. Recombinant CHO  
cells expressing **xiap** were somewhat protected from cell death;  
cells expressing **xiap BIR domains**-containing  
proteins were strongly protected; and, cells expressing **xiap**  
lacking any **BIR domain** were not protected at all. The  
**BIR**-containing protein fragments localized to cell nuclei. All cancer  
cell lines showed increased IAP expression relative to non-cancer control  
tissue. In Jurkat and HeLa cells induced to undergo **apoptosis**,  
the IAP proteins were proteolyzed to produce 26- and 55 kilodalton  
fragments, the 26-kilodalton fragment appearing in the nucleus.

PATENT NO. KIND DATE APPLICATION NO. DATE

PI	WO 9706255	A2	19970220	WO 1996-IB1022	19960805
	WO 9706255	A3	19971030		
	W: CA, JP, US, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5919912	A	19990706	US 1995-511485	19950804
	US 6156535	A	20001205	US 1995-576956	19951222
	EP 837939	A2	19980429	EP 1996-931191	19960805
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, IE				
	JP 11511013	T2	19990928	JP 1996-508277	19960805
	US 6656704	B1	20031202	US 1998-11356	19980914
	US 2002187946	A1	20021212	US 1998-201936	19981201
	US 6541457	B2	20030401		
	US 6689562	B1	20040210	US 1998-201932	19981201

US 2004157232

A1

20040812

US 2003-600272

20030620

STIC-Biotech/ChemLib

156286

ORF

From: Kaushal, Sumesh  
Sent: Monday, June 13, 2005 4:22 PM  
To: STIC-Biotech/ChemLib  
Subject: 10600272: Interference and Sequence search

10600272: Interference and Sequence search

Please search

		<u>length</u>
SEQ ID NO:24	PRT	66aa ✓
SEQ ID NO:25	PRT	66aa ✓

S. Kaushal

AU1636, REM2.B85

Ph: 571-27-20769

Mail Box: REM2.C70

me

\*\*\*\*\*

STAFF USE ONLY

Searcher: \_\_\_\_\_  
Searcher Phone: 2-\_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date Completed: \_\_\_\_\_  
Searcher Prep/Rev. Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*

Type of Search

NA#: \_\_\_\_\_ AA#: \_\_\_\_\_  
Interference: \_\_\_\_\_ SPDI: \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure#: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*

Vendors and cost where applicable

STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other(Specify): \_\_\_\_\_